

3000-7000 lbs

Lithium-ion Battery Counterbalance Forklift



CPD 15/18/20/25/30/35



Manufacturer and Technical Data

Characteristics								
1.01	Model		CPD15	CPD18	CPD20	CPD25	CPD30	CPD35
1.02	Rated capacity	lb	3000	3500	4000	5000	6000	7000
1.03	Load center distance	in	24					
1.04	Power mode		Lithium battery					
1.05	Driving mode		Seated					
1.06	Front overhang	in	16		18		18.7	18.9
1.07	Wheelbase	in	58		65		69	
Weight								
2.01	total weight (with/without battery)	lb	5710/5350	5940/5580	7170/6790	7850/7470	9100/8620	9720/9240
2.02	Axle load(laden, front/rear)	lb	7438/1272	8406/1134	9940/1230	11580/1270	13500/1600	15260/1460
2.03	Axle load (unladen, front/rear)	lb	2588/3122	2586/3354	3500/3670	3560/4290	4100/5000	4220/5500
Tyres								
3.01	Tyre type		Pneumatic tyre		Pneumatic tyre		Front Pneumatic tyre/Rear Solid tyre	
3.02	Tyre size, front		6.50-10-10PR		7.00-12-14PR		28×9-15-14PR	
3.03	Tyre size, rear		16×6-8-10PR		18×7-8-14PR		18×7-8	
3.04	Wheels, number front/rear(x=driven wheels)		2/2		2/2		2/2	
3.05	Tread, front	in	36		38		39	
3.06	Tread, rear	in	36		38		38	
Dimensions								
4.01	Mast tilt angle(forward/backward)	°	6/8		6/10		6/10	
4.02	Height(mast lowered)	in	78.5		78.7		81.5	83.5
4.03	Free lifting height	in	6		6.5		6	
4.04	Lifting height (standard)	in	118		118		118	
4.05	Max. height, extended(with backrest)	in	158		170		166	
4.06	Height of overhead guard	in	84		85		86	
4.07	Seat height relating to SIP (to ground)	in	44		45		46	
4.08	Towing coupling height	in	10		12		12	
4.09	Overall length(with fork)	in	123		132	138	143.2	143.4
4.10	Overall length(without fork)	in	87		96		100.8	101
4.11	Overall width	in	44		46.5		50	
4.12	Fork size:thickness x width x length		2A		2A		3A	
4.13	Fork carriage, according to ISO2328	in	1×4×36		2×5×36	2×5×42	2×5×42	2×5×42
4.14	Distance across fork-arms, Max./Min.	in	38/8		41/10		42/10	
4.15	Ground clearance (at mast)	in	4		4		4	
4.16	Ground clearance (center of wheelbase)	in	4		5		5	
4.17	Right angle stacking aisle width for pallet 40×48in crossways	in	141		148		154	154
4.18	Right angle stacking aisle width for pallet 42×48in lengthways	in	148		156		162	162
4.19	Min. outside turning radius	in	76		84		88	
Performance data								
5.01	Travel speed(laden/unladen)	mph	9.1/9.4		9.1/9.4		9.1/9.4	
5.02	Lift speed(laden/unladen)	fpm	63/87	57/87	63/87	57/87	63/87	57/87
5.03	Lowering speed(laden/unladen)	fpm	79/79		71/91		79/79	
5.04	Max. drawbar pull(laden)	N	10200/9700	10200/9800	13600/13000	14000/13300	16300/15800	17000/16600
5.05	Max. gradeability (laden/unladen)	%	17/27	15/26	17/26	15/25	17/26	15/23
5.06	Acceleration time(10m)(laden/unladen)	s	5.5/5.2	5.6/5.3	5.9/5.0	6.1/5.0	5.7/5.1	6.1/5.2
Battery								
6.01	Battery voltage/Capacity	V/Ah	80/150		80/202		80/250	
6.02	Battery weight	lb	360		380		480	
Motor and controller								
7.01	Driving motor powering(S2-60min)	kW	8		11		15	
7.02	Lifting motor powering(S3-15%)	kW	10.6		12		16	
7.03	Driving motor controlling mode		MOSFET/AC					
7.04	Lifting motor controlling mode		MOSFET/AC					
Addition data								
8.01	Service brake/Parking brake		Hydraulic/Mechanical					
8.02	Operating pressure for attachments	Mpa	16					

Mast parameters

Mast type	Mast model	Max. lifting height (in)	Load capacity (load center 24in)(lb)							Height (mast lowered) (in)				Free lift (with backrest) (in)				Service weight (lb)					Mast tilt angle α/β (°)
			CPD15	CPD18	CPD20	CPD25	CPD30	CPD35	CPD15/18	CPD20/25	CPD30	CPD35	CPD15/18	CPD20/25	CPD30	CPD35	CPD15	CPD18	CPD20	CPD25	CPD30	CPD35	
3 stage full free mast	ZSM360	142	3000	3500	4000	5000	5700	6500	70	70	73	73	31	31	25	25	5908	6098	7980	8660	9386	9942	6/6
	ZSM400	157	3000	3500	4000	5000	5500	6200	75	75	79	79	36	37	31	31	5956	6146	8046	8726	9468	10024	6/6
	ZSM435	171	2900 *3000	3400 *3500	3800 *4000	4800 *5000	5100 *5200	5900 *6200	80	80	83	83	41	41	34	34	6006	6296	8114	8794	9526	10082	6/6 6/6
	ZSM450	177	2900 *3000	3300 *3500	3700 *3800	4600 *4700	4900 *5100	5700 *6000	82	82	85	85	43	43	37	37	6028	6218	8140	8820	9556	10112	6/6 6/6
	ZSM470	185	2800 *2900	3200 *3300	3600 *3700	4400 *4500	4800 *5100	5300 *5400	85	85	87	87	45.5	45	39	39	6020	6250	8174	8854	9592	10144	6/6 6/6
	ZSM480	189	2700 *2800	3100 *3300	3600 *3700	4400 *4500	4700 *5100	5100 *5200	86	86	89	89	47	47	41	41	6074	6264	8194	8874	9612	10168	6/6 6/6
	ZSM500	197	2400 *2600	2800 *3200	3400 *3600	4200 *4400	4200 *5100	4700 *4900	90	90	92	92	51	51	44	44	6116	6306	8246	8926	9666	10222	6/6 6/6
	ZSM540	213	2000 *2500	2200 *2900	2900 *3400	3000 *4300	3900 *4700	4400 *4800	95	95	96	96	55.5	54	48	48	6168	6358	8314	8994	9726	10282	3/6 3/6
	ZSM600	236	1600 *2400	1800 *2900	2000 *3200	2500 *3600	2600 *4400	2600 *4800	104	104	104	104	64	62	56	56	5710	6502	8508	9188	9934	10306	3/6 3/6
	ZSM650	256	*2200	*2500	*2900	*3300	1900 *3800	2000 *4400	112	112	112	112	72	70	64	64	6388	6578	8610	9290	10044	10600	3/3 3/3
	ZSM700	276	*1800	*1900	*2300	*2600	*3600	*4000	119	119	119	119	80	77	71	71	6464	6654	8754	9434	10144	10700	3/3 3/3

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